Data Sheet
Fujitsu Zero Client DZ19-2

Maximum flexibility, maximum savings

The Zero Client DZ19-2 is a revolutionary new way of supplying standard office applications to your business. As a silent, space-saving front-end device designed for a desktop virtualization environment, the Zero Client DZ19-2 securely and reliably delivers a full desktop experience at a fraction of the normal cost.

Cost efficiency
Zero administration, zero roll-out costs, minimum hardware costs.
- Centralized data center. Instant connection of devices. No processor, integrated storage or moving parts.

Desktop virtualization
Easy manageability of multiple users. Familiar desktop experience.
- VMware, Microsoft or Citrix based virtual desktops.

Ultimate security
Protect your business from viruses, data loss and theft.
- All data is stored in the data center, no local storage on the Zero Client.

Long lifecycle
Zero Client lasts much longer than a normal PC, does not need upgrades.
- Performance not dependent on Zero Client. Upgrades only need to be performed at the server backend.

Advanced Reliability
Very low failure rate and minimized user downtime thanks to easy and rapid device replacement.
- Zero Client design with no moving parts.

Hardware Savings

- The Zero Client is the ideal front-end device for environments such as government, banks, call centers and universities. It acts as a gateway to a desktop virtualization environment and is made highly cost-effective through minimized use of components. There is no processor, integrated storage or moving parts, dramatically reducing costs in comparison to a traditional PC. Furthermore, the Zero Client is designed to help businesses save costs throughout its lifetime. Desktop Virtualization helps this happen.

Desktop virtualization

- With desktop virtualization, all software, drivers and the operating system are stored on servers, rather than having to be installed on every user's machine. This means that large numbers of users can be administered centrally, with all user information and data maintained in the data center. This dramatically reduces the time and costs necessary for administering a large infrastructure. The user's environment remains unchanged, they get the same experience as using a normal PC. The IT manager, however, experiences much greater efficiency. For example, if new software is required for 50 users, the IT manager only needs to install the software once centrally and then activate it for the various virtual machines, rather than having to install it on multiple machines on an individual basis. Hence, the desktop virtualization model allows businesses to achieve significant savings of both time and money when managing their IT infrastructure.

Roaming

- In a desktop virtualization environment, all user data is stored centrally. With the Zero Client acting simply as a gateway, it is possible for a user to access his desktop environment from any networked Zero Client. What is more, because the centralized virtual machine is always on, the user can instantly start from where they were previously, without having to wait for a machine to start. This gives a company incredible flexibility with their workforce, as users do not have to transport a PC with them should they change location. With the appropriate network speed and structure, a user can even move to another part of the country and maintain access to their desktop. The instant connection and resumption capability also helps to increase productivity.

Roll-outs

- The Zero Client itself requires no software installation and virtually no setup. If all user information is already prepared, it is simply a case of the Zero Client making the connection to the desktop virtualization server and then the user is ready to go in minutes. For a large number of Zero Clients this can reduce the time required for a roll-out from weeks to days. The user benefits from the minimum downtime when getting a new device, the company gains from the huge increase in productivity this brings.

Maintenance

- Zero Clients are fundamentally more reliable than a standard PC. With no moving parts, no storage and no software, they are very unlikely to suffer mechanical failure and cannot be corrupted by viruses or failed installations. Any faults that develop with the user's desktop environment can be quickly solved at the server backend, eliminating the high costs associated with service call outs. In the unlikely event of hardware failure, the user does not have to wait for a repair as the Zero Client can be replaced with a functioning device within minutes, allowing the user to resume exactly where they left off. The massive reduction in downtime helps keep a business running at optimum efficiency.

Lifecycle

- Hardware redundancy represents a major expense for companies, a substantial chunk of workload for IT managers and a frustration for users. With a Zero Client based solution, companies can avoid the costs of replacing hardware, IT managers no longer have to organize hardware refreshes and the user has a device that always performs optimally. This is because the Zero Client has no effect on the speed and responsiveness of the user's desktop environment. Should more performance be needed, it is simply a case of upgrading the server backend, which can be carried out much more easily than upgrading hundreds of individual PCs. A Zero Client can hence last much longer than a PC because it will keep functioning with an evolving desktop environment.

Technical details

Ergonomic stand	
Stand	4-in-1 Stand
Height adjust range	110 mm
Rotation to portrait	90°
Tilt angle	-5° / +35°
Swivel angle	340°
Picture performance	
Contrast - typical	1000:1
Contrast - advanced	2,000,000:1
Response time typical	5 ms
Viewing angle (h/v) - typical	170°/170°
Color performance	16.7 million colors (Hi-FRC)
Size and resolution	
Brightness - typical	250 cd/m²
Diagonal Size	48.3 cm (19-inch)
Aspect ratio	5:4
Resolution (native)	1280 x 1024 pixel (recommended)
Resolution (interpolated)	1024 x 768 pixel, 800 x 600 pixel
Picture size	376 x 301 mm
Pixel Pitch	0.294 mm
Frequencies	
Interfaces	
DVI	1 x DVI-I for second display support
Audio signal input	3.5 mm mono phone jack
Audio sound output	2 x 1 W
USB downstream	4 x USB 2.0
USB	Isochronous USB support
Interface notes	USB device limitations may apply.
Audio output	3.5 mm stereo phone jack
LAN	RJ45 100 Mb/s
OSD Setting Options	
Languages	Arabic, Czech, Danish, Dutch, English, Finnish, French, German, Italian, Norwegian, Polish, Portuguese, Russian, Spanish, Swedish, Turkish
Brightness / Contrast	Brightness, Contrast
Color	sRGB, 6500K, 9300K, Native, Custom Color (R,G,B)
Audio	Mute, Volume
Information	Model name, S/N, Resolution/mode
Setup	Language, OSD-Timeout, Factory recall
Power consumption	
Soft switch off	< 0.5 W
Power save mode	< 0.5 W
Operating with ECO mode	26 W
Operating maximum brightness	With mouse and keyboard: 32 W
Power supply	
Rated voltage range	100 V - 240 V
Rated frequency range	50 Hz - 60 Hz
Protection class	1
Compliance	
Europe	CE certification according to EC Directive 2004/108/EEC

Russia	GOST
USA/Canada	UL, FCC Class B
Saudi Arabia	SASO
Global	IT-Eco-Declaration, RoHS, WEEE
Compliance link	https://sp.ts.fujitsu.com/sites/certificates/default.aspx
MTBF (demonstrated)	70000 h
Dimensions / Weight / Environmental	
Dimension without stand (W x D x H)	411 x 58 x 348 mm
Dimension with stand (W x D x H)	411 x 180 x 368 mm
Weight	5,5 kg with floor stand, 3,3 kg without floor stand
Operating ambient temperature	5 - 35°C
Miscellaneous	
Language / keyboard support	Bulgarian, Czech, Danish, Dutch, Finnish, French, German, Greek, Hungarian, Italian, Norwegian, Polish, Portuguese, Romanian, Russian, Spanish, Slovak, Swedish, Turkish
Supported Hypervisor	Microsoft Hyper-V, Citrix XenDesktop, VMWare
Package content	
Display delivered accessories	Power cable for wall socket (Euro-Schuko-Type CEE7) 1.8 m, Quickstart flyer, Warranty booklet, Safety booklet
Warranty	
Standard Warranty	3 years (including 1 year software maintenance, optionally renewable thereafter)
Service level	Collect & Return Service (depending on country)
Maintenance and Support Services - the perfect extension	
Recommended Service	5x9, Response Time: Next Business Day
Service Weblink	http://ts.fujitsu.com/Supportservice

More information

Fujitsu platform solutions

In addition to Fujitsu Zero Client DZ19-2, Fujitsu provides a range of platform solutions. They combine reliable Fujitsu products with the best in services, know-how and worldwide partnerships.

Dynamic Infrastructures
With the Fujitsu Dynamic Infrastructures approach, Fujitsu offers a full portfolio of IT products, solutions and services, ranging from clients to datacenter solutions, Managed Infrastructure and Infrastructure as-a-Service. How much you benefit from Fujitsu technologies and services depends on the level of cooperation you choose. This takes IT flexibility and efficiency to the next level.

Computing Products
www.fujitsu.com/global/services/computing/

Software
www.fujitsu.com/software/

More information

Learn more about Fujitsu Zero Client DZ19-2, please contact your Fujitsu sales representative or Fujitsu Business partner, or visit our website.
http://ts.fujitsu.com/zeroclient

Fujitsu green policy innovation

Fujitsu Green Policy Innovation is our worldwide project for reducing burdens on the environment.
Using our global know-how, we aim to resolve issues of environmental energy efficiency through IT.
Please find further information at http://www.fujitsu.com/global/about/environment/

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